

IN THE CLAIMS

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method for dynamically and asymmetrically managing synchronous connection-oriented (SCO) links in a Bluetooth system, comprising the steps of:

(a) analyzing communication channels in order to secure a quality of data transmission in the Bluetooth system, said system including at least three Bluetooth devices; and

(b) dynamically changing types ~~of each~~ and the number of SCO links according to the channel analysis.

2. (Original) The method as recited in claim 1, wherein said step (b) includes the steps of:

(b1) detecting a channel on which interference is larger than another channel; and

(b2) asymmetrically managing types of SCO links between two or more terminals in the Bluetooth system.

3. (Original) The method as recited in claim 1, wherein the types of SCO links includes:

(a) a first SCO link using HV1 packet with a packet transmission interval of 6 slots;

(b) a second SCO link using HV1 packet with a packet transmission interval of 6 slots;
and

(c) a third SCO link using HV2 packet with a packet transmission interval of 12 slots,

wherein kinds of modified SCO links are not limited to the above SCO links.

4. (Currently Amended) A computer readable recording medium for recording a program that implements a method for managing SCO links in a Bluetooth system including a microprocessor, the method comprising the steps of:

(a) analyzing communication channels in order to secure a quality of data transmission in the Bluetooth system, said system including at least three Bluetooth devices; and

(b) dynamically changing types and the number of each of SCO links according to the channel analysis.

5. (New) The method as recited in claim 2, wherein said step (b) further includes the step of:

(b3) adding a SCO link to the first channel.